

ABSTRACT

A superconductor and a method for producing the same are provided.

The method for producing a superconductor includes the step of forming a
5 superconducting layer on a base layer by performing a film deposition at least
two times, wherein the film thickness of a superconducting film in each film
deposition is 0.3 μm or less. In such a case, even when the layer thickness of
the superconducting layer is increased, the decrease in the J_c is suppressed
and the I_c is increased.